

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



PNZ Tools

Product number 015

Revision date: Mar/14/2019
Version: 2

Language: en-US,CA

Date of print: Oct/8/2019
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1. Product and company identification

Product identifier

Trade name: PNZ Tools
This safety data sheet pertains to the following products:

Relevant identified uses of the substance or mixture and uses advised against

General use: Grinding and sanding of different kinds of materials.
For industrial purposes only

Details of the supplier of the safety data sheet

Company name:
PFERD INC.
Street/POB-No.: 9201 W. Heather Ave.
Postal Code, city: Milwaukee, WI 53224,
USA
WWW: www.pferdusa.com
E-mail: sales@pferdusa.com
Telephone: 1-800-342-9015
Telefax: 262-255-2840
Department responsible for information:
1-800-342-9015

PFERD CANADA INC.
Street/POB-No.: 5570 McAdam Road
Postal Code, city: Mississauga, Ontario L4Z 1P1,
Canada
WWW: www.pferdusa.com
E-mail: sales@pferdcanada.ca
Telephone: (905) 501-1555
Telefax: (905) 501-1554
Department responsible for information: 1-866-245-1555

Emergency phone number

USA/Canada: 1-800-255-3924

2. Hazards identification

Emergency overview

Appearance: Form: solid
Color: varying colors
Odor: No data available
Classification: Eye Irritation - Category 2A; Carcinogenicity -
Category 1A; Toxic to Reproduction (Lactation); Specific Target Organ Toxicity (Repeated
Exposure) - Category 1; Aquatic toxicity - chronic - Category 3;

Hazard symbols:



Signal word:

Danger

Hazard statements:

Causes serious eye irritation.
May cause cancer.
May cause harm to breast-fed children.
Causes damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

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Precautionary statements:

Obtain special instructions before use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Avoid contact during pregnancy/while nursing.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Additional information

The hazard identification is based on a formalistic procedure as the hazard statements of the ingredients are summarized under section 3. This does not correspond to the hazardousness of the product itself. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being ground. Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated. This dust may present a fire or dust explosion hazard and may present a serious health hazard.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and WHMIS in Canada.

Hazards not otherwise classified

Mechanical processing can produce particles and dust.
Inhalation of dust may cause irritation of the respiratory system.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Grinding wheels and drums

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Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS -	Nylon fibre	< 80 %	not classified
CAS 1344-28-1	Aluminium oxide	< 70 %	not classified
CAS 409-21-2	Silicon carbide	< 70 %	not classified
CAS -	Cloth	< 60 %	not classified
CAS -	Synthetic resin, polymerized	< 60 %	not classified
CAS 1314-23-4	Zirconium dioxide	< 30 %	not classified
CAS -	Adhesive, cured	< 30 %	not classified
CAS 60304-36-1	Aluminum potassium fluoride	< 25 %	Acute Toxicity - inhalative - Category 4. Eye Irritation - Category 2A. Toxic to Reproduction (Lactation). Specific Target Organ Toxicity (Repeated Exposure) - Category 1. Aquatic toxicity - chronic - Category 3.
CAS 471-34-1	Calcium carbonate	< 25 %	not classified
CAS 13775-53-6	Trisodium hexafluoroaluminate (cryolite)	< 20 %	Acute Toxicity - inhalative - Category 4. Toxic to Reproduction (Lactation). Specific Target Organ Toxicity (Repeated Exposure) - Category 1. Aquatic toxicity - chronic - Category 2.
CAS 14075-53-7	Potassium tetrafluoroborate	< 20 %	not classified
CAS 1332-58-7	Kaolin	< 15 %	not classified
CAS 13463-67-7	Titanium dioxide	< 5 %	Carcinogenicity - Category 2.
CAS 1345-25-1	Iron(II) oxide	< 5 %	not classified
CAS -	Aluminium Silicates	< 5 %	not classified
CAS 13983-17-0	Wollastonite	< 5 %	not classified
CAS 7631-86-9	Silicon dioxide	< 2 %	not classified
CAS 26761-40-0	Diisodecylphthalate	< 1.5 %	not classified
CAS 9002-86-2	polyvinyl chloride	< 1.5 %	not classified
CAS -	Pigments	< 1 %	not classified
CAS 8042-47-5	White mineral oil (petroleum)	< 1 %	Aspiration Toxicity - Category 1.
CAS 1333-86-4	Carbon black	< 0.5 %	not classified
CAS 1309-48-4	Magnesium oxide	< 0.5 %	not classified
CAS 1305-78-8	Calcium oxide	< 0.5 %	Skin Irritation - Category 2. Eye Damage - Category 1. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 14808-60-7	Quartz (SiO ₂)	< 0.5 %	Carcinogenicity - Category 1A.
CAS 12055-23-1	Hafnium dioxide	< 0.4 %	not classified

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CAS No.	Designation	Content	Classification
CAS 64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	< 0.2 %	not classified

Additional information: The ingredients are embedded in the product.

4. First aid measures

- In case of inhalation: Provide fresh air. If you feel unwell, seek medical advice.
- Following skin contact: Remove residues with soap and water. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- After swallowing: Rinse mouth with water. Give water to drink in small sips. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Most important symptoms/effects, acute and delayed

Can be irritating because of mechanical abrasion. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure.

Information to physician

Treat symptomatically.

5. Fire fighting measures

- Flash point/flash point range: No data available
- Auto-ignition temperature: No data available
- Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Specific hazards arising from the chemical

At temperatures above 482 °F (250 °C) hazardous decomposition products may be generated.

- Protective equipment and precautions for firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.
- Additional information: Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

- Personal precautions: Avoid generation of dust. Do not inhale substance.
In case of heating: development of gas/vapor possible.
Provide adequate ventilation. Wear appropriate protective equipment.
Avoid contact with the substance. Keep unprotected people away. Avoid exposure.

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Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

In case of release, notify competent authorities.

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal.

7. Handling and storage

Handling

Advices on safe handling: Obtain special instructions before use.

Provide adequate ventilation, and local exhaust as needed. Avoid generation of dust.

In case of heating: development of gas/vapor possible.

Do not inhale substance. Wear appropriate protective equipment. Avoid contact with the substance.

The product is to be handled with extreme caution.

Storage

Requirements for storerooms and containers:

Keep container tightly closed and dry.

Keep in a cool, well-ventilated place.

Keep only in the original container. Keep away from air. Protect from moisture.

Only trained personnel may be allowed to enter storage area.

Hints on joint storage:

Do not store together with oxidizing agents or acids.

Do not store together with food.

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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
1344-28-1	Aluminium oxide	Canada, Alberta: OEL 8 hour	10 mg/m ³
		Canada, Québec: VEMP	10 mg/m ³ (inhalable fraction)
		USA: OSHA: TWA	15 mg/m ³ (inhalable fraction)
		USA: OSHA: TWA	5 mg/m ³ (respirable fraction)
409-21-2	Silicon carbide	Canada, Alberta: OEL 8 hour	0.1 fibers/cm ³ (fibers, inhalable fraction)
		Canada, Alberta: OEL 8 hour	10 mg/m ³ (Contains no fibers, inhalable fraction)
		Canada, Alberta: OEL 8 hour	3 mg/m ³ (Contains no fibers, respirable fraction)
		Canada, BC: OEL TWA	0.1 fibers/cm ³ (fibers, inhalable fraction)
		Canada, BC: OEL TWA	10 mg/m ³ (Contains no fibers, inhalable fraction)
		Canada, BC: OEL TWA	3 mg/m ³ (Contains no fibers, respirable fraction)
		Canada, Ontario: OEL TWA	0.1 fibers/cm ³ (fibers, inhalable fraction)
		Canada, Ontario: OEL TWA	10 mg/m ³ (Contains no fibers, inhalable fraction)
		Canada, Ontario: OEL TWA	3 mg/m ³ (Contains no fibers, respirable fraction)
		Canada, Québec: VEMP	10 mg/m ³ (Contains no fibers, inhalable fraction)
		USA: ACGIH: TWA	0.1 fibers/cm ³ (fibers, inhalable fraction)
		USA: ACGIH: TWA	10 mg/m ³ (inhalable fraction)
		USA: ACGIH: TWA	3 mg/m ³ (respirable fraction)
		USA: NIOSH: TWA	10 mg/m ³ (inhalable fraction)
USA: NIOSH: TWA	5 mg/m ³ (respirable fraction)		
USA: OSHA: TWA	15 mg/m ³ (inhalable fraction)		
USA: OSHA: TWA	5 mg/m ³ (respirable fraction)		

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CAS No.	Designation	Type	Limit value
1314-23-4	Zirconium dioxide	Canada, Alberta: OEL 15 min	10 mg/m ³
		Canada, Alberta: OEL 8 hour	5 mg/m ³
		Canada, BC: OEL STEL	10 mg/m ³
		Canada, BC: OEL TWA	5 mg/m ³
		Canada, Québec: VECD	10 mg/m ³
			(Zirconium and compounds, calculated as Zr)
		Canada, Québec: VEMP	5 mg/m ³
			(Zirconium and compounds, calculated as Zr)
		USA: ACGIH: STEL	10 mg/m ³ (calculated as Zr)
		USA: ACGIH: TWA	5 mg/m ³ (calculated as Zr)
		USA: NIOSH: STEL	10 mg/m ³ (calculated as Zr)
USA: NIOSH: TWA	5 mg/m ³ (calculated as Zr)		
USA: OSHA: TWA	5 mg/m ³ (calculated as Zr)		
60304-36-1	Aluminum potassium fluoride	Canada, Alberta: OEL 8 hour	2.5 mg/m ³ (calculated as F)
		Canada, BC: OEL TWA	2.5 mg/m ³ (calculated as F)
		Canada, Québec: VEMP	2.5 mg/m ³ (calculated as F)
		USA: ACGIH: TWA	2.5 mg/m ³
			(Fluorides, calculated as F)
USA: NIOSH: TWA	2.5 mg/m ³ (calculated as F)		
USA: OSHA: TWA	2.5 mg/m ³ (calculated as F)		
471-34-1	Calcium carbonate	Canada, Alberta: OEL 8 hour	10 mg/m ³
		Canada, BC: OEL STEL	20 mg/m ³
			(Calcium carbonate incl. Limestone, Marble)
		Canada, BC: OEL TWA	10 mg/m ³
			(Calcium carbonate incl. Limestone, Marble)
		Canada, Québec: VEMP	10 mg/m ³ (inhalable fraction)
		USA: NIOSH: TWA	10 mg/m ³ (inhalable fraction)
USA: NIOSH: TWA	5 mg/m ³ (respirable fraction)		
USA: OSHA: TWA	15 mg/m ³ (inhalable fraction)		
USA: OSHA: TWA	5 mg/m ³ (respirable fraction)		
13775-53-6	Trisodium hexafluoroaluminate (cryolite)	Canada, Alberta: OEL 8 hour	2.5 mg/m ³ (calculated as F)
		Canada, BC: OEL TWA	2.5 mg/m ³ (calculated as F)
		Canada, Québec: VEMP	2.5 mg/m ³ (calculated as F)
		USA: ACGIH: TWA	2.5 mg/m ³
			(Fluorides, calculated as F)
		USA: NIOSH: TWA	2.5 mg/m ³ (calculated as F)
USA: OSHA: TWA	2.5 mg/m ³ (calculated as F)		

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CAS No.	Designation	Type	Limit value
14075-53-7	Potassium tetrafluoroborate	Canada, Alberta: OEL 8 hour	2.5 mg/m ³ (calculated as F)
		Canada, BC: OEL TWA	2.5 mg/m ³ (calculated as F)
		Canada, Québec: VEMP	2.5 mg/m ³ (calculated as F)
		USA: ACGIH: TWA	2.5 mg/m ³ (Fluorides, calculated as F)
		USA: NIOSH: TWA	2.5 mg/m ³ (calculated as F)
1332-58-7	Kaolin	USA: OSHA: TWA	2.5 mg/m ³ (calculated as F)
		Canada, Alberta: OEL 8 hour	2 mg/m ³
		Canada, BC: OEL TWA	2 mg/m ³
		Canada, Ontario: OEL TWA	2 mg/m ³ (respirable fraction)
		Canada, Québec: VEMP	5 mg/m ³
13463-67-7	Titanium dioxide	USA: ACGIH: TWA	2 mg/m ³
		USA: OSHA: TWA	respirable fraction (particulate matter containing no asbestos and <1% crystalline silica)
		Canada, Alberta: OEL 8 hour	10 mg/m ³ inhalable fraction
		Canada, BC: OEL TWA	5 mg/m ³ (respirable fraction)
		Canada, BC: OEL TWA	15 mg/m ³ inhalable fraction
13983-17-0	Wollastonite	Canada, Québec: VEMP	5 mg/m ³ (respirable fraction)
		Canada, Québec: VEMP	10 mg/m ³ (inhalable fraction)
		USA: ACGIH: TWA	10 mg/m ³
		USA: OSHA: TWA	15 mg/m ³
		7631-86-9	Silicon dioxide
26761-40-0	Diisodecylphthalate	USA: OSHA: TWA	20 mppcf
		USA: OSHA: TWA	80 mg/m ³ (total dust)
		Canada, Ontario: OEL TWA	5 mg/m ³
9002-86-2	polyvinyl chloride	Canada, BC: OEL TWA	1 mg/m ³
		USA: ACGIH: TWA	1 mg/m ³ (respirable fraction)
1333-86-4	Carbon black	Canada, Alberta: OEL 8 hour	3.5 mg/m ³
		Canada, BC: OEL TWA	3 mg/m ³
		Canada, Québec: VEMP	3.5 mg/m ³
		USA: ACGIH: TWA	3 mg/m ³ (inhalable fraction)
		USA: NIOSH: TWA	0.1 mg PAHs/m ³ (Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs))
		USA: NIOSH: TWA	3.5 mg/m ³
		USA: OSHA: TWA	3.5 mg/m ³

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CAS No.	Designation	Type	Limit value
1309-48-4	Magnesium oxide	Canada, Alberta: OEL 8 hour	10 mg/m ³
		Canada, BC: OEL STEL	10 mg/m ³ (respirable fraction, Smoke and Dusts)
		Canada, BC: OEL TWA	3 mg/m ³ (respirable fraction, Smoke and Dusts)
		Canada, Québec: VEMP USA: ACGIH: TWA USA: OSHA: TWA	10 mg/m ³ 10 mg/m ³ (inhalable fraction) 15 mg/m ³
1305-78-8	Calcium oxide	Canada, Alberta: OEL 8 hour	2 mg/m ³
		Canada, BC: OEL TWA	2 mg/m ³
		Canada, Québec: VEMP	2 mg/m ³
		USA: ACGIH: TWA	2 mg/m ³
		USA: NIOSH: TWA	2 mg/m ³
		USA: OSHA: TWA	5 mg/m ³
14808-60-7	Quartz (SiO ₂)	Canada, Alberta: OEL 8 hour	0.025 mg/m ³
		Canada, BC: OEL TWA	0.025 mg/m ³
		Canada, Ontario: OEL TWA	0.1 mg/m ³ (respirable fraction)
		Canada, Québec: VEMP	0.1 mg/m ³ (respirable fraction)
		USA: ACGIH: TWA	0.025 mg/m ³ (respirable fraction)
		USA: NIOSH: TWA	0.05 mg/m ³ (respirable fraction)
		USA: OSHA: TWA	10 mg/m ³ /% SiO ₂ + 2 (respirable fraction)
		USA: OSHA: TWA USA: OSHA: TWA	250 mppcf/%SiO ₂ +5 (fine dust) 30 mg/m ³ /% SiO ₂ + 2 (inhalable fraction)

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
60304-36-1	Aluminum potassium fluoride	USA: ACGIH-BEI, blood	3 mg/L	Fluorides	end of exposure or end of shift
		USA: ACGIH-BEI, urine	2 mg/L	Fluorides	Prior to shift
13775-53-6	Trisodium hexafluoroaluminate (cryolite)	USA: ACGIH-BEI, blood	3 mg/L	Fluorides	end of exposure or end of shift
		USA: ACGIH-BEI, urine	2 mg/L	Fluorides	Prior to shift
14075-53-7	Potassium tetrafluoroborate	USA: ACGIH-BEI, blood	3 mg/L	Fluorides	end of exposure or end of shift
		USA: ACGIH-BEI, urine	2 mg/L	Fluorides	Prior to shift

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Engineering controls

Provide good ventilation and/or an exhaust system in the work area.
Technical measures and the application of suitable work processes have priority over personal protection equipment.
In case of development of vapors or dust: The use of local exhaust ventilation is recommended.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing and shoes.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Respiratory protection: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:
Obtain special instructions before use.
Do not inhale substance. Avoid contact with skin and eyes.
When using do not eat, drink or smoke. Change contaminated clothing.
Wash hands before breaks and after work.
Work place should be equipped with a shower and an eye rinsing apparatus.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: solid Color: varying colors
Odor:	No data available
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

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10. Stability and reactivity

- Reactivity: Refer to subsection "Possibility of hazardous reactions".
- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions: No hazardous reaction when handled and stored according to provisions.
- Conditions to avoid: No data available
- Incompatible materials: Oxidizing agents, acids.
- Hazardous decomposition products: At temperatures above 482 °F (250 °C) hazardous decomposition products may be generated.
- Thermal decomposition: No data available

11. Toxicological information

Toxicological tests

- Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.
- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Carcinogenicity - Category 1A = May cause cancer.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Toxic to Reproduction (Lactation) = May cause harm to breast-fed children.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Specific Target Organ Toxicity (Repeated Exposure) - Category 1 = Causes damage to organs through prolonged or repeated exposure.
- Aspiration hazard: Lack of data.

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Other information: Information about Aluminum potassium fluoride:
LD50, Rat, oral: >2000 mg/kg
LC50, Rat, inhalative: > 3.4 mg/L/h
LD50, Rabbit, dermal: >2000 mg/kg
Information about Trisodium hexafluoroaluminate (cryolite):
LD50, Rat, oral: >5000 mg/kg
LC50, Rat, inhalative: 4.47 mg/L/4h
LD50, Rabbit, dermal: >2100 mg/kg
For carcinogenic effects
Information about Titanium dioxide:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: not listed
Information about Wollastonite:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Information about Silicon dioxide:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Information about Polyvinyl chloride:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Information about Carbon:
IARC Rating: Group 2B
OSHA Carcinogen: not listed
NTP Rating: not listed
Information about Quartz (SiO₂):
IARC Rating: Group 1
OSHA Carcinogen: not listed
NTP Rating: listed

12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.
Information about Trisodium hexafluoroaluminate (cryolite):
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): 8.8 mg/L/72h (OECD 201)
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): 156 mg/L/48h (OECD 202)
Fish toxicity:
LC50 Brachydanio rerio (zebra-fish): 99 mg/L/96h (OECD 203)

Mobility in soil

No data available

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Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Packing can be recycled or disposed of.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

Only dangerous if carried on tank-ships.

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15. Regulatory information

National regulations - U.S. Federal Regulations

Product:	TSCA Inventory: not listed This product is an article as defined by TSCA regulations, and is exempt from TSCA inventory listing requirements. Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed Clean Air Act: Hazardous Air Pollutants: Code X Ozone Depleting Chemicals: -- / Depletion potential -- SOCMI Chemical: yes Other Environmental Laws: CERCLA: RQ ** lbs. Marine Pollutant: listed as pollutant. RCRA Hazardous Wastes: Code U051 RCRA Groundwater Monitoring: Methods 8280 / PQL 1 SARA Title III Section 302, EHS: TPQ 10/10000 lbs. SARA Title III Section 313, Toxic Release: Conc. 1.0*% / Threshold Standard NIOSH Recommendations: Current Intelligence Bulletin: 91-112 OSHA Process Safety Management: Threshold 5000 lbs.
Aluminium oxide:	Other Environmental Laws: SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard NIOSH Recommendations: Occupational Health Guideline: 0021
Silicon carbide:	NIOSH Recommendations: Occupational Health Guideline: 0555
Kaolin:	NIOSH Recommendations: Occupational Health Guideline: 0364
Titanium dioxide:	Carcinogen Status: IARC Rating: Group 2B OSHA Carcinogen: not listed NTP Rating: not listed NIOSH Recommendations: Occupational Health Guideline: 0617
Wollastonite:	Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed
Silicon dioxide:	Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed NIOSH Recommendations: Occupational Health Guideline: 0552

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



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polyvinyl chloride:	Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed
Carbon black:	Carcinogen Status: IARC Rating: Group 2B OSHA Carcinogen: not listed NTP Rating: not listed NIOSH Recommendations: Occupational Health Guideline: 0102
Magnesium oxide:	NIOSH Recommendations: Occupational Health Guideline: 0374
Calcium oxide:	NIOSH Recommendations: Occupational Health Guideline: 0093
Quartz (SiO ₂):	Carcinogen Status: IARC Rating: Group 1 OSHA Carcinogen: not listed NTP Rating: listed NIOSH Recommendations: Occupational Health Guideline: 0553

National regulations - U.S. State Regulations

Aluminium oxide:	Delaware Air Quality Management List: DRQ: 100 - RQ State: State requirement differs from Federal Massachusetts Haz. Substance codes: F9 Minnesota Haz. Substance: Codes: A - Ratings: 10.16 - Status: Title III. TRI. New Jersey RTK Hazardous Substance: DOT: - - Sub No.: 2891 - TPQ: - Pennsylvania Haz. Substance code: E Washington Air Contaminant: TWA: 10 mg
Zirconium dioxide:	Massachusetts Haz. Substance codes: 2
Titanium dioxide:	California Proposition 65: cancer
Diisodecylphthalate:	California Proposition 65: developmental
Carbon black:	California Proposition 65: cancer
Quartz (SiO ₂):	California Proposition 65: cancer

National regulations - Canada

No data available

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16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate) - Chronic effects

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	*	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
		X

Reason of change: Changes in section 1, telephone Nr. USA General revision

Date of first version: Jun/22/2017

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products.